

FORM PTO-1449 (modified)
To: U.S. Department of Commerce
Patent and Trademark Office

Atty. Dkt.
No.

Client/Matter No.

Client Ref.

10/069995
1013 Rec'd PCT/PTO
MAR 2002

056291-5077

Z70590/UST

**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**

Applicant: Butlin et al.

Appln. No.:

Filing Date: March 1, 2002

Dat : March 1, 2002

Page 1 of 1

Examiner: Unassigned

Group Art Unit: Unassigned

U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
	AR					
	BR					
	CR					
	DR					
	ER					
	FR					

FOREIGN PATENT DOCUMENTS

	Document Number	Date MM/YYYY	Country	Inventor Name	English Abstract	Translation Readily Available
					Enclosed	No
	GR					
	HR					
	IR					
	JR					
	KR					
	LR					
	MR					
	NR					

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

FB	OR	Aicher et al., "(R)-3,3,3-trifluoro-2-hydroxy-2-methylpropionamides are orally active inhibitors of pyruvate dehydrogenase kinase", JOURNAL OF MEDICINAL CHEMISTRY, American Chemical Society, vol. 42, no. 15, July 1999, pp. 2741-2746, XP002122777				
FB	PR	Mann et al, "Diverse mechanisms of inhibition of pyruvate dehydrogenase inhibitors, BIOCHIM, BIOPHYS. ACTA, 2000, 1480(1-2) XP000979112				
FB	QR	Aicher et al., "Secondary amides of (R)-3,3,3-Trifluoro-2-hydroxo-2-methylpropaionic acid as inhibitors of pyruvate dehydrogenase kinase", J. MED. CHEM., Vol. 43, no. 2, January 2000, pp. 236-249, XP002158429				
	RR					
	SR					
	TR					
	UR					
	VR					

Examiner

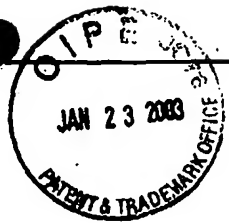
FB Bernhard

Dat Considered:

11/16/03

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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Atty. Dkt. No. M#
056291-5077 Z70590/UST

**INFORMATION DISCLOSURE STATEMENT
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Applicant: Butlin et al.
Appl. No.: 10/069,995
Filing Date: June 17, 2002
Examiner: Unassigned Group Art Unit: 1614

Date: January 23, 2003 Page 1 of 4

U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
FB	AR	4,537,618	Schurter et al.			
FB	BR	5,248,693	Gerspacher et al.			
FB	CR	5,486,515	Brown et al.			
FB	DR	5,510,386	Empfield et al.			
FB	ER	6,369,273	Butlin			
FB	FR	6,498,275	Butlin et al.			

FOREIGN PATENT DOCUMENTS

		Document Number	Date MM/YYYY	Country	Inventor Name	English Abstract		Translation Readily Available	
						Enclosed	No	Enclose	No
FB	GR	1 228 355	10/1987	Canada	Schurter et al.				
FB	HR	0 002 309	06/1979	EPA	Glen et al.				
FB	IR	0 002 892	07/1979	EPA	Glen				
FB	JR	0 040 932	12/1981	EPA	Crossley et al.				
FB	KR	0 079 191	05/1983	EPA	Hughes				
FB	LR	0 096 002	12/1983	EPA	Schurter et al.				
FB	MR	0 100 172	02/1984	EPA	Tucker				
FB	NR	0 253 500	01/1988	EPA	Tucker				
FB	OR	0 253 503	01/1988	EPA	Tucker				
FB	PR	0 524 781	01/1993	EPA	Russell et al.				

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

FB	QR	Bayles et al., "A Smiles Rearrangement Involving Non-Activated Aromatic Systems; the Facile Conversion of Phenols to Anilines", Synthesis, 1977, Vol. 1, pp. 33-34							
FB	AR	Bayles et al., "The Smiles Rearrangement of 2-Aryloxy-2-methylpropanamides. Synthesis of N-Aryl-2-hydroxy-2-methyl-propanamides", Synthesis, 1977, Vol. 1, pp. 31-33							
FB	BR	Bebornitz et al., "Anilides of (R)-Trifluoro-2-hydroxy-2-methylpropionic Acid as Inhibitors of Pyruvate Dehydrogenase Kinase", J. Med. Chem., 2000, Vol. 43, No. 11, pp. 2257-2266							
FB	CR	Empfield et al., "4-sulfonamidoanilide Tertiary Carbinols: A Novel Series Of Potassium Channel Openers", Bioorg Med. Chem. Letters, 1997, Vol. 7, No. 7, pp. 775-778, XP004136128 s e table I, compounds e, f							

Examiner: *F. Beutland* Date Considered: 11/17/03

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LB	IR	0 617 010	09/1994	EPA					
LB	JR	0 625 511	11/1994	EPA	Russell				
LB	KR	0 625 516	11/1994	EPA	Empfield et al.				
LB	LR	2 278 054	11/1994	U.K.	Grant et al.				
LB	MR	93/10094	05/1993	WIPO	Agback et al.				
LB	NR	93/23358	05/1993	WIPO	Russell et al.				
LB	OR	94/26739	11/1994	WIPO	Brown et al.				
LB	PR	96/28151	09/1996	WIPO	Constantin-Teodosiu et al.				
LB	QR	97/38124	10/1997	WIPO	Crosby et al.				
** LB	RR	99/44618	09/1999	WIPO	Butlin				
** LB	SR	99/47508	09/1999	WIPO	Butlin et al.				

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LB	TR	Fenwick, "THE SYNTHESIS OF 2,2-BIS(TRIFLUOROMETHYL)BENZOPYRAN DERIVATIVES: A NEW ROUTE TO AN IMPORT CLASS OF POSTASSIUM CHANNEL ACTIVATORS", Tetrahedron Letters, Vol. 34, No. 11, 1993, pp. 1993							
LB	AR	Furr et al., "A Novel Non-Steroidal, Peripherally Selective Antiandrogen", J. Endocrinol., 1987, Vol. 113 (3), R7-R9							
LB	BR	Glen et al., "Structure-Activity Relationships among Non-steroidal Antiandrogens", Third SCI-RSC Medicinal Chemistry Symposium, 1986, Vol. 55, pp. 345-361							
LB	CR	Grant et al., "Anilide Tertiary Carbinols: A New Structural Class Of Potent Potassium Channel Openers", Bioorg. Med. Chem. Lett., 1993, Vol. 3 (12), pp. 2723-2724							

Examiner *L. Benliard* Date Considered: *11/17/03*

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** <i>LB</i>	IR	99/62506	12/1999	WIPO	Butlin et al.	
** <i>LB</i>	JR	99/62873	12/1999	WIPO	Butlin et al.	
** <i>LB</i>	KR	01/17942	03/2001	WIPO	Butlin et al.	
** <i>LB</i>	LR	01/17955	03/2001	WIPO	Butlin et al.	
** <i>LB</i>	MR	01/17956	03/2001	WIPO	Butlin et al.	

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

<i>LB</i>	NR	Howe et al., "ZENECA ZD6169: A Novel K _{ATP} Channel Opener with <i>in Vivo</i> Selectivity for Urinary Bladder", J. Pharmacol. Exp. Ther. 1995, Vol. 274 (2), pp. 884-890							
<i>LB</i>	OR	Jackman et al., "Studies in the Field of Diuretics", J. Pharm. and Pharmacol., Vol. 12, 1960, pp. 648-655; CHEMICAL ABSTRACTS, vol. 55, no. 9, 1 May 1961, Columbus, Ohio, US; abstract no. 8336a, XP002107578 see abstract, column 8336, lines 8-9 &							
<i>LB</i>	PR	Li et al., "Zeneca ZD6169 and Its Analogs from a Novel Series of Anilide Tertiary Carbinols: <i>in vitro</i> K _{ATP} Channel Opening Activity in Bladder Detrusor", Pharmacology, 1995, Vol. 51, pp. 33-42							
<i>LB</i>	AR	Morris et al., "Hydrogen Bonding Parameters In The S.A.R. of Non-Steroidal Anti-Androgens", Pharmacol. Libr., 1987, Vol. 10, pp. 204-206							
<i>LB</i>	BR	Morris et al., "Non-Steroidal Antiandrogens. Design of Novel Compounds Based on an Infrared Study of the Dominant Conformation and Hydrogen-Bonding Properties of a Series of Anilide Antiandrogens", J. Med. Chem. 1991, Vol. 34, pp. 447-455							
<i>LB</i>	CR	Ohnmacht et al., "N-Aryl-3,3,3-trifluoro-2-hydroxy-2-methylpropanamides: K _{ATP} Potassium Channel Openers. Modifications on the Western Region", J. Med. Chem., 1996, Vol. 39 (23), pp. 4592-4601							

Examiner <i>LB</i>	Date Considered: 1/17/03
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MR								

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FB	NR	Russell, "Crystal Receptor Models In Medicinal Chemistry: Application To The Generation of Highly Potent Potassium Channel Openers", Bioorg. Med. Chem. Lett. 1996, Vol. 6 (7), pp. 913-918						
FB	OR	Tenthorey et al.; "New Antiarrhythmic Agents. 3. Primary β -Amino Anilides", J. Med. Chem. 1979, Vol. 22 (10), pp. 1182-1186						
FB	AR	Trivedi et al., "K-Channel Opening Activity of ZD6169 and Its Analogs: Effect on ^{86}Rb Efflux and ^3H -1075 Binding in Bladder Smooth Muscle", Pharmacology, 1995, Vol. 50 (6), pp. 388-397						
FB	BR	Tucker et al., "Nonsteroidal Antiandrogens. Synthesis and Structure-Activity Relationships of 3-Substituted Derivatives of 2-Hydroxypropionanilides", J. Med. Chem., 1988, Vol. 31, pp. 954-959						
FB	CR	Tucker et al., "Resolution of the Nonsteroidal Antiandrogen 4'-Cyano-3-[(4-fluorophenyl)sulfonyl]-2-hydroxy-2-methyl-3'-(trifluoromethyl)- propionanilide and the Determination of the Absolute Configuration of the Active Enantiomer", J. Med. Chem. 1988, Vol. 31 (4), pp. 885-887						
FB	DR	Wakeling et al., "Receptor Binding And Biological Activity Of Steriodal and Nonsteriodal Antiandrogens", J. Steriod Biochem., 1981, Vol. 15, pp. 355-359						

Examiner

FB Butlin et al.

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